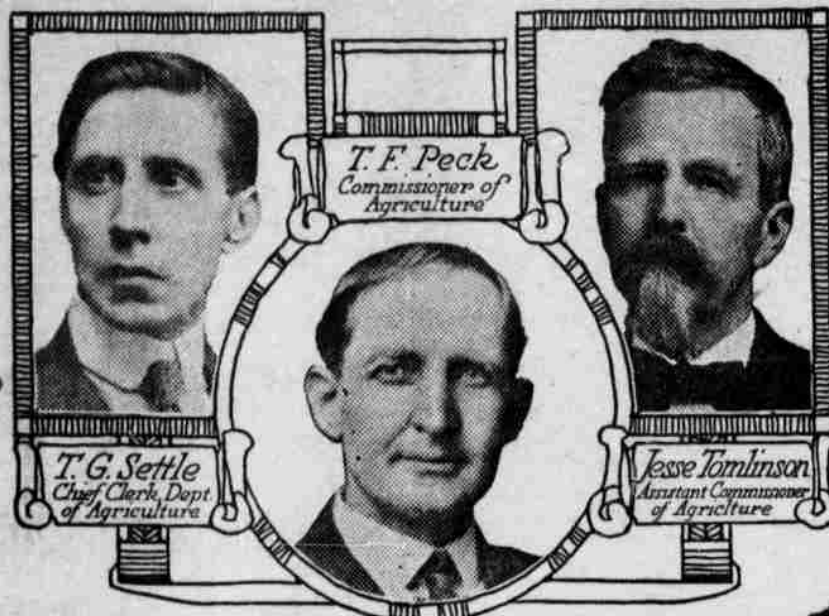


DEMONSTRATION TRAINS TO BE RUN BY DEPARTMENT OF AGRICULTURE

Great Good Accomplished In Past—Special Will Leave Nashville, Wednesday, July 15—Tour Will End On Tuesday, September 15—Splendid List of Speakers and Noted Agricultural Experts On This Train



The great good accomplished by the Agricultural Demonstration trains operated by the Department of Agriculture in 1911 and 1912, and the numerous requests from all sections of the state for the running of another Agricultural Special this year, have induced the Department of Agriculture to again undertake this enterprise for the summer of 1914.



M. W. Robinson, Department of Education.

More than 250 points on the railroad lines of Tennessee were made by the train run in 1912, which traveled more than 6,000 miles and was seen by more than 200,000 people, principally farmers and their families. The train carried exhibits and demonstrations helpful to every phase of rural life, and its good effects are still felt and will continue to be felt throughout the state for many years to come.

To continue the work begun in this direction by the present administration of the Department of Agriculture, Commissioner T. F. Peck has, through the liberality and progressive policies of the railroads operating in Tennessee, made arrangements to send out a train this year more thoroughly equipped to carry the gospel of scientific farming into every county in the state having railroad mileage.



Dr. Lucius P. Brown, State Pure Food and Drugs Inspector.

The 1914 train will be composed of nine cars and engine, and each car will be fitted up to make a complete exhibit in itself. Assisting the Department of Agriculture this year will be the State Departments of Health and Education.

The Special will leave Nashville at 9:30 a. m. Wednesday, July 15, over the Tennessee Central Railroad, going first to Ashland City, and making two other stops, Daddsville and Spaulding, on that day, and will return to Nashville that night, leaving again the next morning, going east. While on the lines of the Tennessee Central, the train will be accompanied by Rutledge Smith, Industrial Agent of that road, and will be accompanied by representatives of the various roads while on their lines. The tour of the Agricultural Special will end on Tuesday, September 15, the last stop being a night

meeting at Iron City, in Lawrence County, on the lines of the Louisville & Nashville.

The arrangements made by Commissioner Peck with the railroads of the state mean that this train will be operated without any cost to the taxpayers of the state. The roads furnish all the equipment for the train and the crew to operate it. The officials connected with the Department of Agriculture and the Departments of Health and Education will deliver the lectures, and this means that there will be no additional cost for these, as they are already on salary.

The railroads co-operating with the Department of Agriculture this year are



Dr. H. H. Shoulders, State Board of Health.

operating the train include every road doing business in the state. They are:

The Nashville, Chattanooga & St. Louis Railway.
The Louisville & Nashville Railroad.
The Nashville, Knoxville & Eastern.
The Tennessee Central Railroad.
The Illinois Central Railroad.
The Mobile & Ohio Railroad.
The Cincinnati, New Orleans & Texas Pacific Railroad.
The Birmingham & Northwestern.
The Knoxville, Sevierville & Eastern.
The Carolina, Clinchfield & Ohio.
The Tennessee, Kentucky & Northern.

No effort will be spared by the Department of Agriculture to fit out the train to be an object lesson to the farmers of the state in better farming, live stock breeding, dairying, etc., and to show to the farmers' wives and daughters the best that there is in housekeeping and making the farm home attractive. Each car will be in charge of a trained lecturer, and an abundance of literature will be on hand for free distribution, touching on all the subjects of interest to the farmer and his family.

Car No. 1 will be the Farm Crops Car, and will be in charge of A. L. Garrison, Chief Feed, Seed and Fertilizer Inspector, with capable assistants. It will contain



R. T. DeBerry, Humboldt, Assistant Commissioner of Agriculture for West Tennessee.

exhibits of farm crops, grasses, grains, fertilizers, feeds, seeds, etc.
Car No. 2 will be the Fruits, Vegetables and Apiary Car, and will be in charge of State Entomologist G. M. Bentley and State Apiary Inspector J. S. Ward. It will have exhibits of fruits, vegetables, spraying appliances, appliances for the

apiary, and literature for free distribution on these subjects.
Car No. 3 will be the Live Stock Car, with Dr. George R. White, State Veterinarian, in charge. This car will be fitted up in the most modern style with the best dairy and barn equipment. It will carry an exhibit of animals which will be interesting as well as instructive. It has been planned to carry animals which have been bred in Tennessee and owned by private individuals located in different sections of the state. Typical animals of the respective types will be furnished by the following owners:

Cattle—Polled shorthorn heifer, C. J. Bullock, Cookeville; Aberdeen Angus, not yet selected; Hereford heifer, W. J. Robinson, Lancaster; Jersey heifer, Percy C. Brown, Spring Hill; Holstein heifer, Simon Hill, Memphis; Guernsey heifer, Simon Hill, Memphis.
Sheep—Cheviot, H. C. Davidson, Elbridge, Dorset, Percy C. Brown, Spring Hill; Southdown, Percy C. Brown, Spring Hill.
Swine—Berkshire, J. W. Rusewurm, Nashville; Hampshire, A. L. Garrison, Crossville; Duroc Jersey, not yet selected; Yorkshire, Percy C. Brown, Spring Hill; Poland China, Jay R. Mitchell, Sparta.

It is hoped that the live stock exhibit, with the instructive lectures delivered at every stop, will tend to promote interest in pure-bred animals on Tennessee farms. Car No. 4 will be the Health Car, and will be under the auspices of the State Board of Health, with Dr. Lucius P. Brown, State Pure Food and Drugs Inspector, actively in charge. It will contain exhibits showing the extensive work of the State Board of Health, the Anti-Tuberculosis League, the State Pure Food and Drugs Department in the betterment of health conditions in Tennessee, and the protection of the consumer from adulterated and impure foods and short measure.

Car No. 5 will be the Education Car, and in charge of Prof. M. W. Robinson, Agricultural Supervisor in the High Schools. This car will contain exhibits showing the work of the State Department of Education in promoting the study of agriculture in the schools, and will also have exhibits from the industrial departments of the State Normal schools at Murfreesboro, Memphis and Johnson City.

Car No. 6 will be the Domestic Science and Dairy Car, and will be under the supervision of Miss Lucy Buttrick, a trained lecturer on domestic science, and T. B. Robinson, dairy expert. This car will have exhibits showing the latest in conveniences for the farm home and the dairy.

Car No. 7 will be the Platform Car for live stock demonstration, and will also be fitted with a crusher for grinding limestone for fertilizing purposes, and literature on this subject will be distributed, and the operation of the machine explained. This car will also have an engine and dynamo to furnish power for the crusher and light for the train, which will be electrically lighted throughout, enabling night stops and demonstrations.

Car No. 8 will be the Sleeping Car, which will accommodate all those who will be with the train throughout the entire trip.

Farm bulletins, agricultural papers, and other literature will be distributed at every stop of the train. These will cover all subjects of interest to the farmer and his family, and there will be an abundant supply.

TAKES PLACE OF INSTITUTES

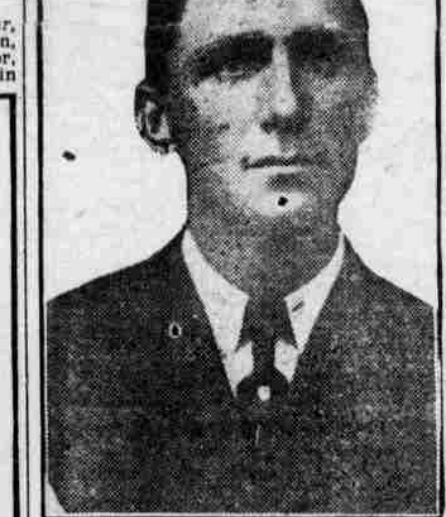
MOST PRACTICAL IN FERTILIZER EQUIPMENT, SPRAYING AND PRUNING TREES ARE SHOWN.

Train Will Be Operated at Time When the Farmer and Family Have the Most Leisure.

The Agricultural Special will take the place of county institutes in the counties it is enabled to reach, and it is expected to be more beneficial and effective, because the train and its exhibits

will be seen by a much larger number of people in the rural communities than could possibly be gotten to attend the institutes. County institute work has been and is being conducted in those counties not reached by railroads.

The train is to be operated at a time when the farmer and his family have the most leisure, and it is hoped by the Commissioner of Agriculture that every one who is convenient to the scheduled stops will attend. They will see on the train what many of them would not have an opportunity to see otherwise. They will see the finest types of beef and dairy cattle, the best



J. A. Dinwiddie, of Tennessee.

breeds of sheep and hogs, and the best poultry, and hear the very best lectures on these subjects. They will learn about the silo—how to build it and how to fill it and feed ensilage. They will learn about agricultural lime for sweetening their soils, and how to grow clover, and all about winter cover crops.

They will be enabled to see the most practical in dairy equipment; about the care of the orchard, spraying and pruning trees, and about marketing fruits and vegetables; about the honey bee—how to keep it with pleasure and profit; about the work that is being done by the State Department of Agriculture to eradicate hog cholera from the State, and see demonstrations of the use of cholera serum and the virus in the simultaneous treatment for this scourge, and will be instructed in the use of this serum and virus, which will render their swine absolutely immune from this deadly disease.



A. L. Garrison, Chief Feed, Seed and Fertilizer Inspector.

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Visitors to the train will be shown the progress that has been made for rural education in the State, and will be told the benefits and advantages of rural community co-operation. They can learn how to prevent disease by using preventive measures. The farmers' wives and daughters may learn about domestic science and home economics, and what is being done to make home life on the farm more comfortable and more attractive.

The farmer who leaves the "Shade of the old apple tree" on the farm, traveling miles over dusty highways to the railroad, will find that his time has not been wasted, and that he will gain useful information that will enable him to do better along all lines than he has done in the past. A visit to the train can not be without profit. The train is planned to offer helpful suggestions that may be easily put into practice, and this opportunity should be taken advantage of by every farmer in the State who is convenient to any of the scheduled stopping places.

Those having the train in charge will leave nothing undone to make the tour a success in that it will disseminate useful information for the benefit of all who may care to learn. The dates will be published often in the county papers, and by posters, so that everyone may be ready to take off and profit by a visit to the rural Special.

THE PERSONNEL OF THE TRAIN

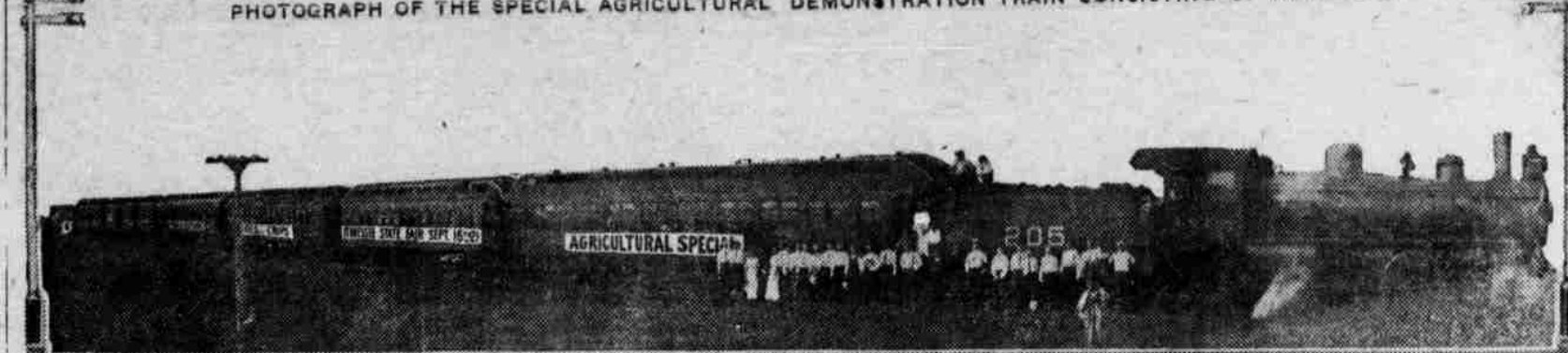
SPECIAL WILL BE IN CHARGE AND UNDER DIRECTION OF COMMISSIONER T. F. PECK.

The Assistant Instructors Will Alternate on the Train in the Three Grand Divisions of the State.

The Agricultural Special will be in charge and under the direct supervision of Commissioner of Agriculture T. F. Peck, who has designated the following to assist him in this tour:

Dr. George R. White, State Veterinarian, live stock.
A. L. Garrison, Chief Feed, Seed and Fertilizer Inspector, soils and crops.
G. M. Bentley, State Entomologist, fruits, vegetables, orchards and nurseries.
Dr. J. S. Ward, State Inspector of Apiaries, lectures on the honey bee.
J. N. Moroney, silos.
R. T. DeBerry, Assistant Commissioner of Agriculture, lectures on community co-operation.
J. A. Dinwiddie, Assistant Commissioner of Agriculture, lectures on poultry and pig products.
Dr. H. A. Morgan, Director of the Experiment Station, University of Tennessee.
Dr. J. C. Schoenbach, live stock.
Frank Van Pelt, farm machinery.
W. B. Shouder, live stock.
J. J. Kittell, live stock breeding.
N. C. White, stock feeds.

PHOTOGRAPH OF THE SPECIAL AGRICULTURAL DEMONSTRATION TRAIN CONSISTING OF NINE CARS.



J. W. Wynn, fertilizers.
A. M. Stout, field seeds.
J. W. Rusewurm, Tennessee State Fair.
E. Robinson, dairying.
W. C. Jones, exhibits.
Bruce Settle, exhibits.
Mrs. John W. Thomas, dining car.
H. N. Hardeman, stenographer.
J. B. Curd, Tennessee State Fair.
S. H. Thompson, State Superintendent of Public Instruction.
M. W. Robinson, State Department of Education.
Dr. R. Q. Lillard, State Board of Health.
Dr. H. H. Shoulders, State Board of Health.
George G. Draper.
T. B. Hughes.
Miss Lucy Buttrick, domestic science.
Miss Nettie Armstrong, domestic science.
Miss Helen Buquo, domestic science.
Miss Zelma Biggs, education.
Miss Hera Robinson, education.
Vern Peterson, agriculture in Middle Tennessee Normal.
W. J. Sowder, agriculture in East Tennessee Normal.
V. S. Bright, agriculture in West Tennessee Normal.
V. S. Bright, agriculture in West Tennessee Normal.
Prof. E. L. Jones, President Middle Tennessee Normal.
Prof. S. G. Gilbreath, President East Tennessee Normal.
Not all of those named above will be with the train throughout the entire tour, but will alternate in the three grand divisions of the State.



Samuel H. Thompson, Superintendent of Public Instruction for Tennessee.

ITINERARY OF THE TENN. SPECIAL

HAS BEEN APPROVED BY THE RAILROADS—WILL TRAVEL 6,500 MILES.

About Three Hundred Stops Will Be Made By the Train This Year—Over Tennessee Central.

The Agricultural Special will leave Nashville at 9:30 a. m., Wednesday, July 15, over the Tennessee Central Railroad. About 300 stops have been scheduled, and in making these, the train will travel about 6,500 miles. The itinerary, as prepared by the Department of Agriculture and approved by the railroads, is as follows: